

Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method comprising:

providing a ~~list of information associated with~~ a plurality of radio access means in a communications system to a network element of the communications system, said ~~list information~~ based on a plurality of parameters associated with each of the plurality of radio access means for serving a mobile station, wherein a radio access means of the plurality of radio access means includes a plurality of cells, and further wherein the plurality of radio access means use different communication systems;

creating a prioritized ordering of the radio access means based on said list information;

selecting a target radio access means of the plurality of radio access means based on the created prioritized ordering; and

sending a request to the mobile station to perform compressed mode measurements at the mobile station based on the selected target radio access means, said measurements for selecting a cell associated with the selected target radio access means.

2. (Previously Presented) The method as claimed in claim 1, wherein the selection is for handover of the mobile station from a first radio access means to a second radio access means.

3. (Previously Presented) The method as claimed in claim 2, wherein the first radio access means operates at a first frequency of a radio access technology and the second radio access means operates at a second frequency of said radio access technology.

4. (Previously Presented) The method as claimed in claim 3, wherein the

radio access technology is code division multiple access.

5. (Previously Presented) The method as claimed in claim 3, wherein the radio access technology is wideband code division multiple access.

6. (Previously Presented) The method as claimed in claim 2, wherein the first radio access means operates in accordance with a first radio access technology, and the second radio access means operates in accordance with a second, different, radio access technology.

7. (Previously Presented) The method as claimed in claim 6, wherein the first radio access technology is code division multiple access.

8. (Previously Presented) The method as claimed in claim 6, wherein the first radio access technology is wideband code division multiple access.

9. (Previously Presented) The method as claimed in claim 2, wherein the second radio access means comprises a second plurality of cells, and the compressed mode measurements comprise signal strength measurements of at least one of said second plurality of cells.

10. (Previously Presented) The method as claimed in claim 6, wherein the second radio access means comprises a second plurality of cells, and the compressed mode measurements comprise signal strength measurements of at least one of said second plurality of cells, and wherein the compressed mode measurements comprise decoding a parameter associated with at least one of the second plurality of cells.

11. (Previously Presented) The method as claimed in claim 10, wherein the parameter is the base station identification code associated with one of the second plurality of cells.

12. (Previously Presented) The method as claimed in claim 1, wherein the plurality of parameters further comprises at least one of the following: a real time load, a non real time load, or a signal to interference ratio.

13. (Currently Amended) The method as claimed in claim 1, wherein the ~~list information~~ comprises a weighting value.

14. (Previously Presented) The method as claimed in claim 1, wherein the plurality of parameters comprise a service priority weight associated with a suitability of the radio access means in providing a service requested by the mobile station.

15. (Previously Presented) The method as claimed in claim 1, wherein the network element is a radio network controller.

16. (Currently Amended) The method as claimed in claim 1, wherein the ~~list information~~ is provided by a common resource radio management component.

17. (Currently Amended) The method as claimed in claim 16, wherein the common resource radio management component is a common radio management server.

18.-34. (Canceled)

35. (Previously Presented) The method as claimed in claim 1, further comprising:

determining if performing the compressed mode measurements at the mobile station is successful;

if performing the compressed mode measurements is unsuccessful, selecting a second target radio access means of the plurality of radio access means based on the created prioritized ordering; and

performing second compressed mode measurements at the mobile station based on the second selected target radio access means, said second measurements for selecting a second cell associated with the selected second target radio access means.

36. (Previously Presented) The method as claimed in claim 1, wherein the selected target radio access means comprises a second plurality of cells, and the compressed mode measurements comprise signal strength measurements of at least one cell of the second plurality of cells, the method further comprising selecting a handover cell of the second plurality of cells based on a highest signal strength measurement.

37. (Previously Presented) The method as claimed in claim 1, wherein creating the prioritized ordering of the radio access means is further based on a type of service requested by the mobile station.

38. (Previously Presented) The method as claimed in claim 1, wherein the plurality of parameters comprise a service priority weight that is associated with each of the radio access means and that comprises a suitability of a selected radio access means in providing a service requested by the mobile station.

39.-45. (Canceled)

46. (Previously Presented) The method as claimed in claim 1, further comprising triggering a handover of the mobile station to the cell selected based on the compressed mode measurements at the mobile station.

47. (Previously Presented) The method as claimed in claim 1, further comprising:

receiving a response from the mobile station indicating that the compressed mode measurements were unsuccessful;

selecting a second target radio access means of the plurality of radio access means based on the created prioritized ordering; and

sending a second request to the mobile station to perform compressed mode measurements at the mobile station based on the selected second target radio access means.

48.-57. (Canceled)

58. (Currently Amended) An apparatus comprising:

a processor configured to create a prioritized ordering of a radio access means of a plurality of radio access means serving a mobile station based on ~~a list of information associated with~~ a plurality of radio access means in a communications system, wherein the processor is further configured to select a target radio access means of the plurality of radio access means based on the created prioritized ordering; and

a transmitter configured to send a request to the mobile station to perform compressed mode measurements at the mobile station based on the selected target radio access means, said measurements for selecting a cell associated with the selected target radio access means.

59. (Previously Presented) The apparatus as claimed in claim 58, wherein the processor is further configured to determine if performing the compressed mode measurements at the mobile station is successful and, if performing the compressed mode measurements is unsuccessful, to select a second target radio access means of the plurality of radio access means based on the created prioritized ordering and perform second compressed mode measurements at the mobile station based on the second selected target radio access means, said second measurements for selecting a second cell associated with the selected second target radio access means.

60. (Previously Presented) The apparatus as claimed in claim 58, wherein, upon receiving an indication that the compressed mode measurements were unsuccessful, the processor is further configured to select a second target radio access means of the plurality of radio access means based on the created prioritized ordering; and

wherein the transmitter sends a second request to the mobile station to perform compressed mode measurements at the mobile station based on the selected second target radio access means.

61. (Currently Amended) An apparatus comprising:

means for providing a list of information associated with a plurality of radio access means in a communications system to a network element of the communications system, said list information based on a plurality of parameters associated with each of the plurality of radio access means for serving a mobile station, wherein a radio access means of the plurality of radio access means includes a plurality of cells, and further wherein the plurality of radio access means use different communication systems;

means for creating a prioritized ordering of the radio access means based on said list information;

means for selecting a target radio access means of the plurality of radio access means based on the created prioritized ordering; and

means for sending a request to the mobile station to perform compressed mode measurements at the mobile station based on the selected target radio access means, said measurements for selecting a cell associated with the selected target radio access means.

62. (Previously Presented) The apparatus as claimed in claim 61, further comprising:

means for determining if performing the compressed mode measurements at the mobile station is successful;

means for selecting a second target radio access means of the plurality of radio access means based on the created prioritized ordering, if performing the compressed mode measurements is unsuccessful; and

means for performing second compressed mode measurements at the mobile station based on the second selected target radio access means, said second measurements for selecting a second cell associated with the selected second target radio access means.

63. (Previously Presented) The apparatus as claimed in claim 61, further comprising:

means for receiving a response from the mobile station indicating that the compressed mode measurements were unsuccessful;

means for selecting a second target radio access means of the plurality of radio access means based on the created prioritized ordering; and

means for sending a second request to the mobile station to perform compressed mode measurements at the mobile station based on the selected second target radio access means.

64. (Currently Amended) A tangible computer-readable medium having stored thereon, computer-executable instructions that, if executed by a computing device, cause the computing device to perform a method comprising:

providing ~~a list of information associated with~~ a plurality of radio access means in a communications system to a network element of the communications system, said ~~list information~~ based on a plurality of parameters associated with each of the plurality of radio access means for serving a mobile station, wherein a radio access means of the plurality of radio access means includes a plurality of cells, and further wherein the plurality of radio access means use different communication systems;

creating a prioritized ordering of the radio access means based on said ~~list information~~;

selecting a target radio access means of the plurality of radio access means based on the created prioritized ordering; and

sending a request to the mobile station to perform compressed mode measurements at the mobile station based on the selected target radio access means,

said measurements for selecting a cell associated with the selected target radio access means.

65. (Previously Presented) The tangible computer-readable medium as claimed in claim 64, wherein the method further comprises:

determining if performing the compressed mode measurements at the mobile station is successful;

if performing the compressed mode measurements is unsuccessful, selecting a second target radio access means of the plurality of radio access means based on the created prioritized ordering; and

performing second compressed mode measurements at the mobile station based on the second selected target radio access means, said second measurements for selecting a second cell associated with the selected second target radio access means.

66. (Previously Presented) The tangible computer-readable medium as claimed in claim 64, wherein the method further comprises:

receiving a response from the mobile station indicating that the compressed mode measurements were unsuccessful;

selecting a second target radio access means of the plurality of radio access means based on the created prioritized ordering; and

sending a second request to the mobile station to perform compressed mode measurements at the mobile station based on the selected second target radio access means.